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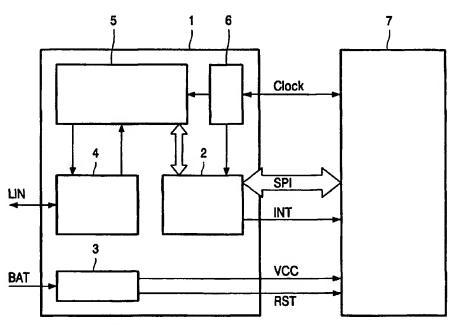
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(54) Title: INTEGRATED CIRCUIT



(57) Abstract: An integrated circuit having-a system base chip (1) that has basic functions for a transmitting and/or receiving system for a vehicle data bus, namely at least a system voltage supply (3), a system reset (3) and a monitoring function (2),-an interface circuit (4, 5) that, in a self-contained fashion, runs at least parts of a data bus protocol, and in particular the LIN (Local Interconnect Network) protocol, that performs detection of the bit-rate of received data, and that is capable of passing on at least one received or transmitted byte.-a serial/parallel converter (5) that makes use in its conversion of the bit-rate detected by the interface circuit (4, 5).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.



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A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G06F15/78 H04L H04L25/02 H04J3/06 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 HO4J HO4L G06F Documentation searched other than minimum document ation to the extent that such documents are included in the fields searched Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal, PAJ, INSPEC C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Citation of document, with indication, where appropriate, of the relevant passages 1-6 US 6 049 888 A (CHANOUX ET AL) Α 11 April 2000 (2000-04-11) column 2, line 62 - column 4, line 9; figure 1 1-6 Α GRILL W: "SYNCHRONIZING CONTROLLER DETECTS BAUD RATE" EDN ELECTRICAL DESIGN NEWS, CAHNERS PUBLISHING CO. NEWTON, MASSACHUSETTS, US, no. EUROPE, 2 March 1998 (1998-03-02), page 99, XP000779115 ISSN: 0012-7515 the whole document 1 A EP 1 206 092 A (TEXAS INSTRUMENTS INC) 15 May 2002 (2002-05-15) page 3, line 6 - line 16 page 5, line 1 - line 7 Patent family members are listed in annex. Further documents are listed in the continuation of box C. X Special categories of cited documents: "I later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance invention *E* earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "L" document which may throw doubts on priority claim (s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-ments, such combination being obvious to a person skilled "O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing clate but later than the priority date claimed *&* document member of the same patent family Date of mailing of the international search report Date of the actual completion of the international search 17/02/2005 8 February 2005 Name and mailing address of the ISA **Authorized officer** European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Michel, T



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